## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S60	402	348/243.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 13:50
S61	2553	(optical near4 black) same (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 13:50
S62	17	S60 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 13:51
S63	9	("4500915"   "4740828"   "4774586"   "4856033"   "4910599"   "5040071"   "5172234"   "5343245"   "5448306").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/22 14:06
S64	4	("4388640"   "4488168"   "4930004"   "5198890").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/22 14:08
S65	47	(optical near4 black) same (color or colour) same amplifi\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 14:09
S66	4772	dark same (color or colour) same (compar \$3 or substract\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 14:13
S67	27	S66 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 14:13

S68	1196	348/241.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 14:19
S69	9	S66 and S68	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 14:19
S70	14	("20020101522"   "20050243193"   "20060114342"   "20060192864"   "20070019085"   "20080012966"   "20080054320"   "5654755"   "6130712"   "6445413"   "6646681"   "6774941"   "7084912"   "7427735").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/22 14:21
S71	10	("4649430"   "5047861"   "5162735"   "5231503"   "5268765"   "5633679"   "5654755"   "6118115"   "6130712"   "6141045").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/22 14:25
S72	2	("5081536"   "5159186").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/22 14:27
S73	15	("4293877"   "4412343"   "4498105"   "4630121"   "4649430"   "4941051"   "5047861"   "5105276"   "5181118"   "5252818"   "5268765"   "5278658"   "5355164"   "5376966"   "5452001").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/22 14:27
S74	15	S61 and S68	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 14:29
S75	2	"7161626".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 14:35

S76	256	S60 and (dark near4 (photosensor or current))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 14:58
S77	3	(dark near4 (photosensor or current)) with (color or colour) with ((differential adj1 amplif \$3) or comparator or substract\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	NON	2009/10/22 17:06
S78	43	dark with (color or colour) with ((differential adj1 amplif \$3) or comparator or substract\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 17:07
S79	3108	dark with (color or colour) with (remov\$3 or reduc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 17:17
S80	13	dark with (color or colour) with (remov\$3 or reduc\$3) with (amplifi\$3 or substract \$3 or comparator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 17:18
S81	38	(differential adj2 amplifier) with (remov \$3 or cancel\$4) with (dark near5 (current or photocurrent))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 22:43
S82	2	(differential adj2 amplifier) with (remov \$3 or cancel\$4) same (dark near5 (current or photocurrent)) same (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 22:47
S83	126	(remov\$3 or cancel\$4) same (dark near5 (current or photocurrent)) same (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 22:48
S84	597	(color or colour) with sensor with dark	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 22:58

S85	39	((color or colour) with sensor with dark) same amplif\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 22:59
S86	6	((color or colour) with sensor with dark) same differential	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 23:00
S87	579	(differential adj3 amplifier) with (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 23:02
S88	52	((differential adj3 amplifier) with (color or colour)) same (remov \$3 or reduc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 23:03
S89	453	348/272.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 23:12
S90	21	S89 and (differential adj3 amplifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 23:13
S91	0	(differential adj3 amplifier) with (color or colour) same (optical near3 black)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 23:18
S92	7	(differential adj3 amplifier) with (color or colour) and (optical near3 black)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 23:18
S93	16	amplifier same (color or colour) same (dark near7 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 23:23
S94	3	(color or colour) with sensor with (dark near5 photodetector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/22 23:27

S95	257	348/251.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 10:45
S96	453	348/272.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 10:56
S97	3237	(optical near5 black) same (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 10:57
S98	5	S96 and S97	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 10:57
S99	369	(optical\$2 near5 black) same amplifi\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 11:03
S100	1	S96 and S99	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 11:03
S101	2	("4816917"   "6788340").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/23 11:22
S102	166	(optical\$2 near5 black) same (color or colour) same (remov\$3 or differential or substract \$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 11:28
S103	730	(pixel\$1 near5 black) same (color or colour) same (remov\$3 or differential or substract \$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 11:38
S104	1	S103 and S96	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 11:38

S106	112	(dark near3 current) same (color or colour) same (remov\$3 or differential or substract \$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 11:39
S107	34	(dark near6 sensor) same (color or colour) same (remov\$3 or differential or substract \$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 12:02
S108	2	"5105276".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 12:04
S110	6	multiplex\$3 with (red or green or blue) same (differential near5 amplifi\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 12:19
S111	255	S96 and (shield\$3 or mask\$3 or cover\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 12:26
S112	20	(S95 or S96) and (optical near5 black) and (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/23 12:40
S113	11	(differential adj1 amplifier) with subtract \$3 with dark with image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/04 23:11
S114	5367	((linear or line) adj4 sensor) with (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/04 23:14
S115	21	((linear or line) adj4 sensor) with (color or colour) with multiplex \$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/04 23:14
S116	38	((linear or line) adj4 sensor) with (color or colour) same multiplex \$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/04 23:20

## **EAST Search History (Interference)**

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11/7/09 7:07:51 PM

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